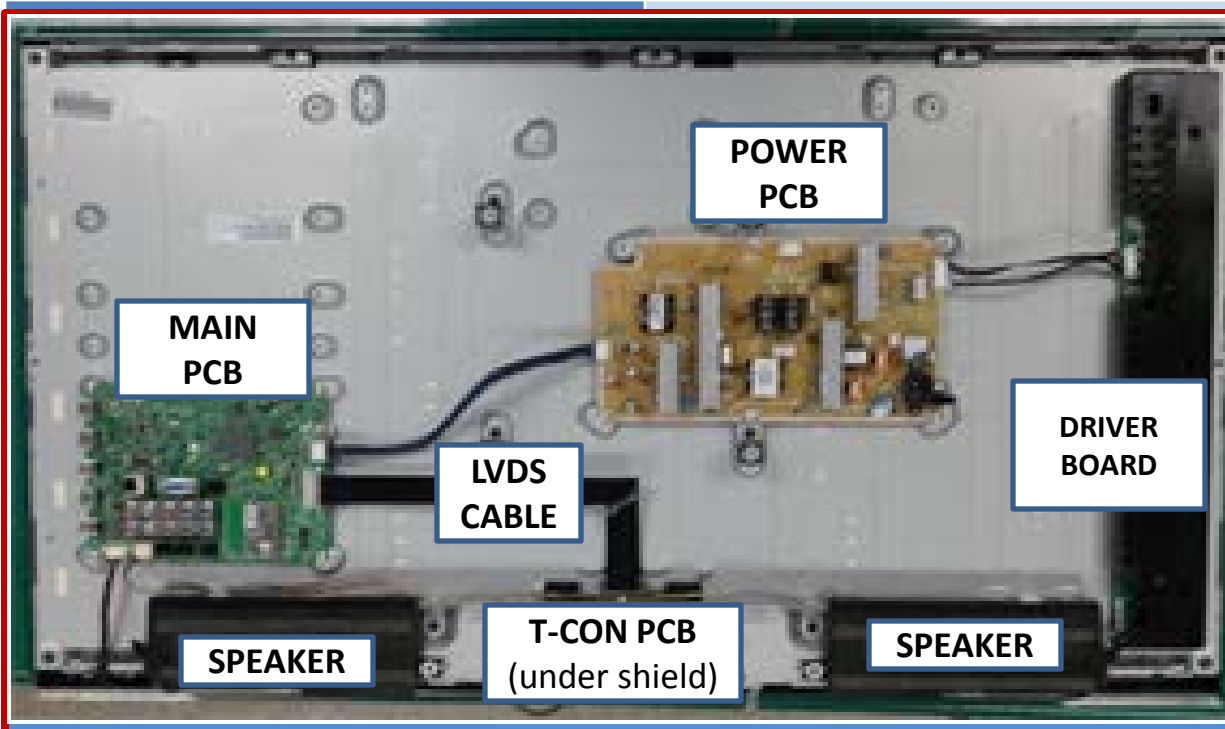


**SERVICE BULLETINS**

2 011 LCD Option Byte Table
ASC20110624001.pdf

FIRMWARE

**No current changes as of
1/11/12**

Be sure to check for SW updates.

PARTS (Board Assemblies)

Be sure to check for latest parts updates.

HELP : 1-888-751-4086; 1-866-894-0637 (FE)

<http://gspn3.samsungcsportal.com>

PLUS ONE

<http://my.plus1solutions.net/clientPortals/samsung>

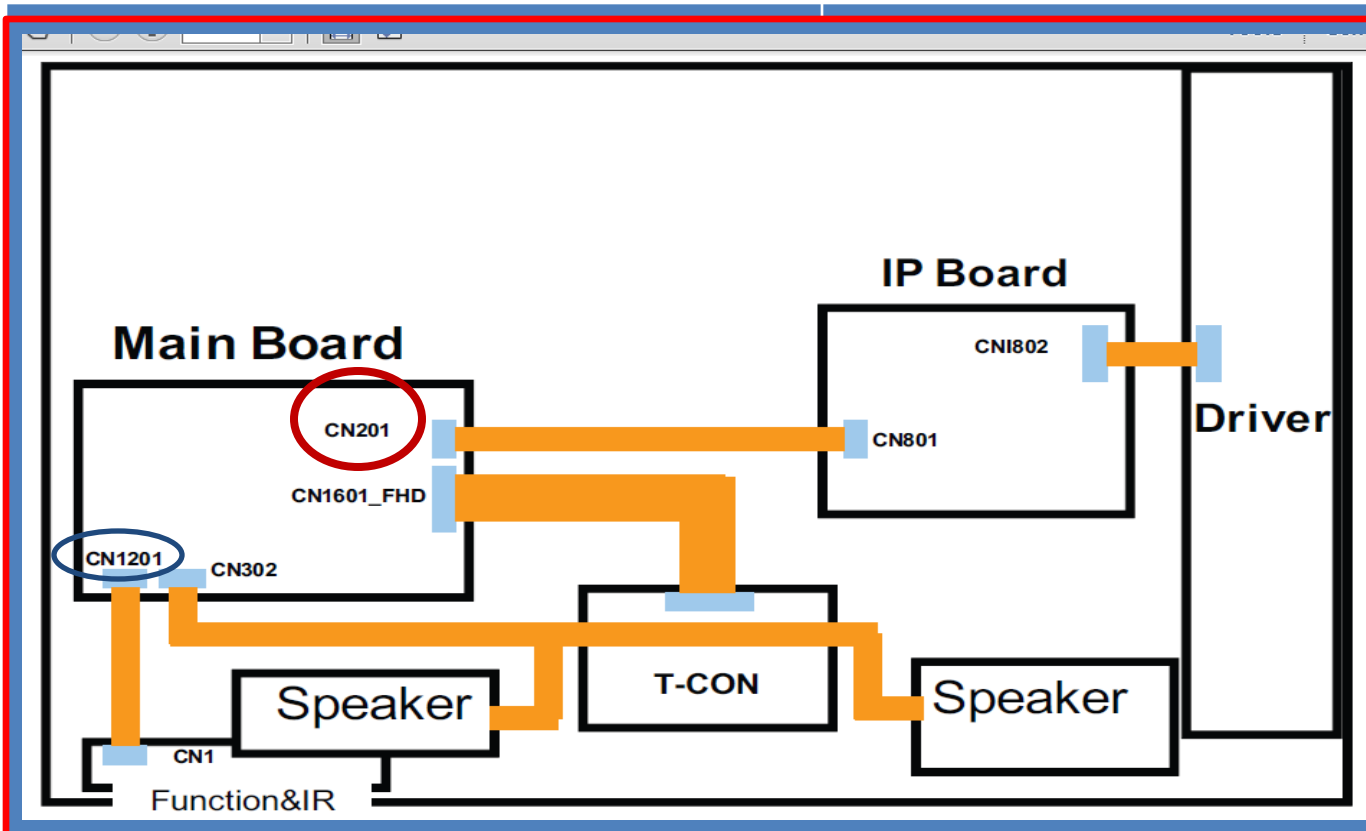
HOT TIPS

Power On Problems: (see page 2)

Video Problems: (see pages 3,4)

TIP If the unit has a vertical yellow colored line that is one pixel wide in the video, verify that it also affects the OSD. If so, replace the panel. If it does not affect the OSD and is in multiple sources, replace the main board.

Model Code	Side Label	Part No.				
		Panel Module	Inverter	T-Con	Main B'd	Power
LN40D550K1FXZA	AA01	BN07-00975A	BN81-06014A	BN81-06005A	BN94-04509T	BN44-00440B
	HN02	BN07-00953A	BN81-05898A	BN81-05900A	BN94-04475X	BN44-00440B



1 CN201 (To Powr board)			
1	B5 V	8	GND
2	SW_POWER	9	B12VS
3	B5 V	10	SW_INVERTER
4	A5 V	11	B13 V
5	GND	12	NC
6	GND	13	B13 V
7	B12VS	14	PWM_DIMM

Power On Sequence (approximate Voltages)

1. **Standby Voltages:** CN201-4 (5V)
2. **Power On** CN201- 2(0 – 3.5V)
3. **Low Voltage Supplies On** CN201-1,3,7,9, 11, 13 (Volts Listed on CN201)
4. **Back Light On** CN201- 10(0-5V delayed)
5. **Back Light Confirm** CNI802- “0VP” (approx 03 Volts Dim - .1 Volts bright)
6. **Dimming Signal** CN201-14 (1V–4V approx)

To Force Backlight On without Main Board :

1. Remove Power Cord
2. Remove CN 801
3. Plug Power Cord In.
4. Backlight should be on immediately.

6 CN1201 (FUNCTION)			
1	IR	5	MSDA
2	GND	6	FUNC_INTR
3	A3.3V	7	LED_STB
4	MSCL	8	NC

TROUBLESHOOTING VIDEO PROBLEMS

1. Verify Video Operation

- Boot Logo with power on
- Customer Picture Test** in user menu
- “Display”** (If display and Boot Logo & Customer Picture Test is OK the source or cables are first suspected. Then check for a defective input on the Main Board.)
- Substitute with known good Source
(**external DVD or Signal Generator** to check inputs on Main Board)

2. Using Test Patterns in Service Mode

- **ENTER SERVICE MODE** -

- Select an active source signal since Test Pattern may rely on signal source to appear or select TV Source mode.

Customer Remote

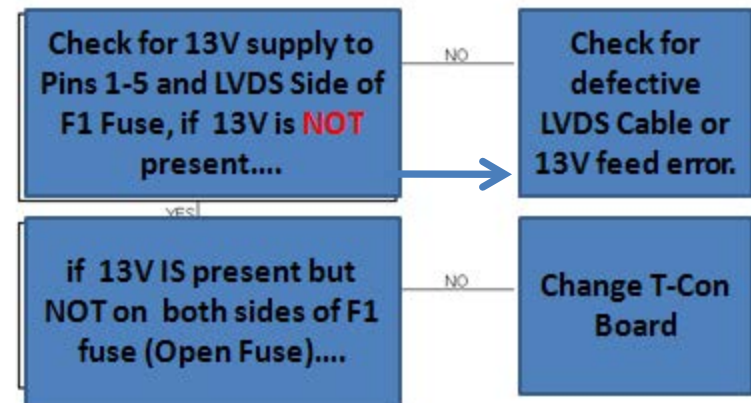
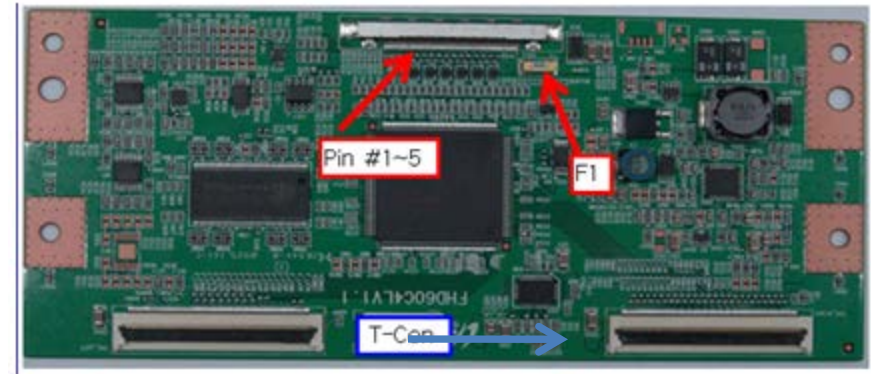
- Power Standby
- Mute, 182, Power On

Service Remote

- Power On
- Info, Factory

- Select SVC
- Select Test Patterns

T-Con Troubleshooting



ON SCREEN FAILURE EXAMPLES:



If Picture & Display errors
Defective Main Board, LVDS,
or T-CON



Green lines or a green screen
defective main board , LVDS , or
T-CON.

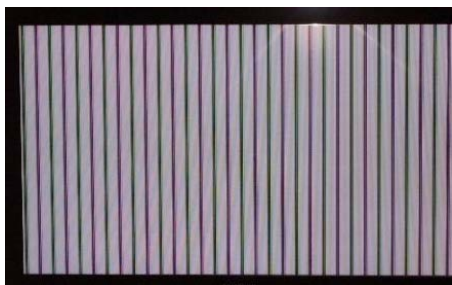


Original Image



Image on Screen

Pixelization can be caused by the main board
but is more commonly a source error



Vertical or Horizontal Lines :Defective
Panel likely but also T-CON, LVDS, or Main
Board. Use Test Patterns in Factory Service
Mode to determine error)

ALIGNMENTS:

1. Check/Set Option Bytes: in Service Mode

Option	
Control	T - MIST4AUSC - XXX
SVC	T - MIST4AUSC - XXX
Expert	E - Manual: UX5ATSCA-XXXX
ADC / WB	EDID SUCCESS
	HDCP: SUCCESS
	CALIB: AV / COM / PC / HDMI /
	Option: XXXX XXXX XXXX X
	SDAL - XXX
	RFS: P0154 T - TDTSKSRSC
	KERNL MODULE VERSION: "XXXXX_XX"
	20XX -XX - XX
	TYPE: XXXXXX
	MAC Not Available
	FACTORY DATA VER: XXX
	EERC VERSION: XXX
	DTP - AP - COMP - 310 - 01
	DTP - HWG - 0304
	DTP - BP - 0314
	DATE OF PURCHASE: XX / XX / XX

Factory Reset	
Type	50HSHB4
Model	P8550
TUNER	ALPS
Region	US
DDR	SAMSUNG
Light Effect	Off
Inch	50"
Exhibition Mode	Off

Model Code	Front Color						
		Type	Model	Tuner	Region		
LN40D550K1 FXZA	T-R- BLK	40L6AF0C	LD550	SI_ATC			

2. Check/Perform latest Firmware
Upgrade for all repairs.

3. Perform reset in Service Mode &
Plug and Play if Main board is replaced.

SPECIAL NOTES:

Inform customer of reset of all
Settings if Main Board or Panel is replaced.